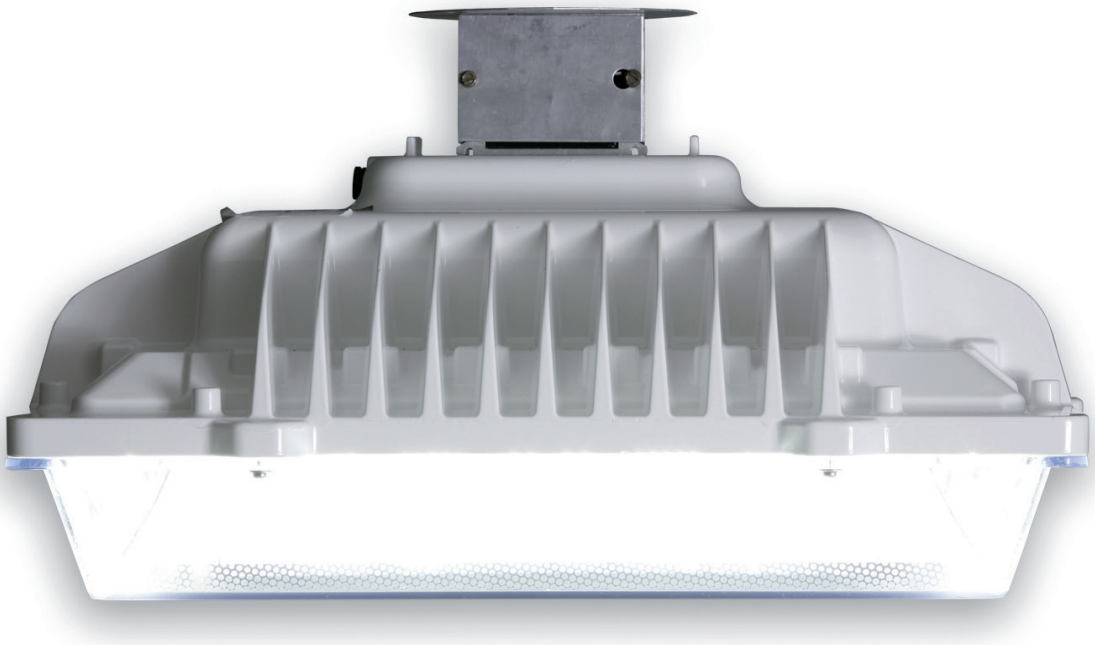
GE
Lighting

Evolve™ LED Garage Light

Medium Square (EGMS)



imagination at work

Product Features

High quality lighting meets long life and controllability with the Evolve™ LED Garage Light. This fixture features an advanced LED optic specifically designed for applications such as parking decks with low mounting heights to provide high uniformity and excellent vertical light distribution with reduced glare and effective security light levels. It enables the instant-on capabilities needed to make the most of parking areas. Optional programmable motion sensing, step dimming and daylight harvesting is available. There is also a unique option for up-lighting that is not found in other LED garage fixtures. This provides a driver friendly installation, eliminating the "cave effect" that often occurs without up-light.

The Evolve LED Garage Light significantly reduces energy and maintenance expenses over the life of the system and is also RoHS compliant, giving you a lead and mercury free lighting solution.

Applications

- Garage, warehouse, walkway and stairway lighting using a high efficiency LED optical system providing high uniformity and excellent vertical light distribution with reduced glare and effective security light levels.

Housing

- Die-cast aluminum housing with integral cast heat sinks to maximize heat transfer for electrical components and provide long LED life.

LED & Optical Assembly

- LED optic specifically designed for applications such as parking decks with low mounting heights.
- Utilizes high brightness LEDs, 70 CRI at 4000K and 5000K typical.
- LM-79 tests and reports are performed in accordance with IESNA standards.

Lumen Maintenance

- System rating is L85 at 50,000 hours. Contact manufacturer for Lxx rating (Lumen Depreciation) beyond 50,000 hours.

Ratings

- ℓ/c listed, suitable for damp locations. Wet location listing available with select mounting options.
- IP 65 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at -40° to 40°C ambient.
- Compliant with the material restriction requirements of RoHS.

Mounting

- Available with nine different mounting options providing a versatile product to meet almost any field installation condition.

Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Applied inside and out of the housing for corrosion protection.
- Standard colors: Gray & White.
- RAL and custom colors available.

Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%.*
- Class "A" sound rating.
- Integral surge protection non-dimming:
  - For 120-277VAC per IEEE/ANSI C62.41.-1991, 4kV/2kA Location Category B2 (120 Events)
  - For 347-480VAC per IEEE/ANSI C62.41.-1991, 6kV/3kA Location Category B3 (120 Events)
- Integral surge protection GE dimming:
  - For 120-480VAC per IEEE/ANSI C62.41.2-2002, 6kV/3kA Location Category B (120 Events)
- Optional high capability surge protection per IEEE/ANSI C62.41.2-2002.
  - Rating 1 - 10kV/5kA Location Category (120 events)
  - Rating 2 - 6kV/3kA Location Category C-Low (5000 events)
- EMI: Title 47 CFR Part 15 Class A
- Optional motion sensing, step dimming and daylight harvesting available.

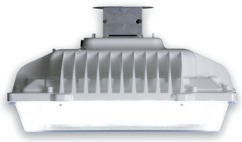
** System power factor and THD is tested and specified at 120V input and maximum load conditions.*

Warranty

- 5-year limited system warranty standard.

Ordering Number Logic

Medium Square (EGMS)



E G M S _ _ _ _ — _ — __ — _ — __ — **P** — **C** — __ — _ _ _ _ — _ _ _

PROD. ID	VOLTAGE	OPTICAL CODE	MOTION SENSING	LED COLOR TEMP	LENS TYPE	LENS FINISH	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **G** = Garage **M**= Medium **S** = Square	**0** = 120 - 277 **H** = 347 - 480 **1** = 120* **2** = 208* **3** = 240* **4** = 277* **5** = 480* **D** = 347* * Specify single voltage only if fuse option is selected.		**N** = No Motion Sensing **2** = 360°, 44' diameter coverage at 8' mounting* † * Dimmable driver must be ordered when a motion sensing option is used † Order Watt Stopper WS FSIR-100 PROGRAMMER programming tool as a separate item (one unit can be used to program all fixtures)	**40** = 4000K **50** = 5000K	**P** = Polycarbonate	**C** = Clear with Frosted Portion	**01** = Primary Electric Disconnect with MPM-C **02** = Primary Electric Disconnect with MPM-3PR **03** = Primary Electric Disconnect with MPM-3PF **04** = Primary Electric Disconnect with MPM-3PRW **05** = Primary Electric Disconnect with MPM-3PRTFW **06** = Primary Electric Disconnect with MPM-WW **10** = Surface Mtg. (J Box not included) **11** = 3/4 " Rigid Pendant **20** = Surface mounting with slide on wiring box	**GRAY** = Gray **WHTE** = White Contact manufacturer for other colors	**D2**= Dimmable (0-10 Volt Input)* **F** = Fusing (must specify single voltage) **T** = Extra Surge Protection* **XXX** = Special Options * Contact manufacturer for availability.

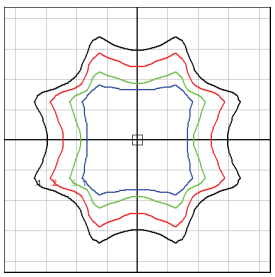
Shown with Motion Sensing Option

OPTICAL CODE	TYPE	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		BUG RATINGS* 4000K			BUG RATINGS* 5000K			IES FILE NUMBER 4000K		IES FILE NUMBER 5000K	
		4000K	5000K	120-277V	347-480V	B	U	G	B	U	G				
NV	Narrow	10,500	10,600	118	126	3	3	1	3	3	1	EGMS_NV_40PC_-120-277V	EGMS_NV_40PC_-347-480V	EGMS_NV_50PC_-120-277V	EGMS_NV_50PC_-347-480V
WV	Wide	10,500	10,600	118	126	4	3	2	4	3	2	EGMS_WH_40PC_-120-277V	EGMS_WH_40PC_-347-480V	EGMS_WH_50PC_-120-277V	EGMS_WH_50PC_-347-480V
WH	Wide	8,300	8,400	83	90	3	3	2	3	3	2	EGMS_WM_40PC_-120-277V	EGMS_WM_40PC_-347-480V	EGMS_WM_50PC_-120-277V	EGMS_WM_50PC_-347-480V
WM	Wide	6,700	6,800	72	78	3	3	2	3	3	2	EGMS_WV_40PC_-120-277V	EGMS_WV_40PC_-347-480V	EGMS_WV_50PC_-120-277V	EGMS_WV_50PC_-347-480V
WL	Wide	5,100	5,200	62	67	3	0	1	3	0	1	EGMS_WL_40PC_-120-277V	EGMS_WL_40PC_-347-480V	EGMS_WL_50PC_-120-277V	EGMS_WL_50PC_-347-480V
UV	Wide with Uplight	10,500	10,600	118	126	3	4	2	3	4	2	EGMS_UV_40PC_-120-277V	EGMS_UV_40PC_-347-480V	EGMS_UV_50PC_-120-277V	EGMS_UV_50PC_-347-480V
UH	Wide with Uplight	8,300	8,400	83	90	3	4	2	3	4	2	EGMS_UH_40PC_-120-277V	EGMS_UH_40PC_-347-480V	EGMS_UH_50PC_-120-277V	EGMS_UH_50PC_-347-480V
UM	Wide with Uplight	6,700	6,800	72	78	3	3	1	3	3	1	EGMS_UM_40PC_-120-277V	EGMS_UM_40PC_-347-480V	EGMS_UM_50PC_-120-277V	EGMS_UM_50PC_-347-480V
UL	Wide with Uplight	5,100	5,200	62	67	3	3	1	3	3	1	EGMS_UL_40PC_-120-277V	EGMS_UL_40PC_-347-480V	EGMS_UL_50PC_-120-277V	EGMS_UL_50PC_-347-480V

*Rating values for B and G are based on rated lumens and may vary due to flux tolerances.

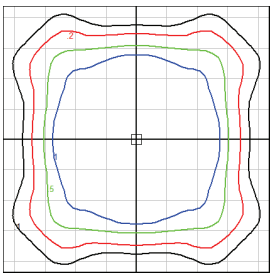
Photometrics

EGMS Type V - Narrow Square (NV) 10,600 Lumens, 5000K



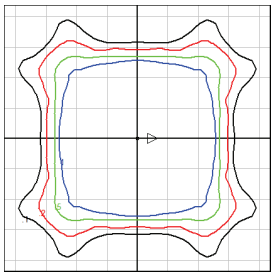
Grid Distance in Units of Mounting Height at 12'
Initial Footcandle Values at Grade

EGMS Type V - Wide Square (WV) 10,600 Lumens, 5000K



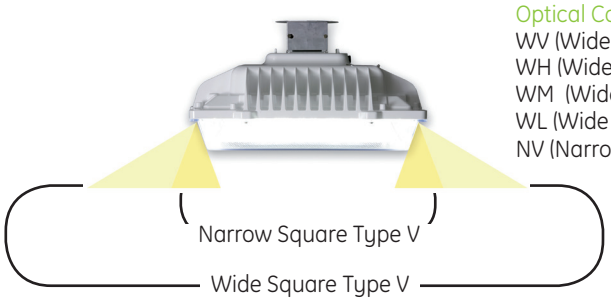
Grid Distance in Units of Mounting Height at 12'
Initial Footcandle Values at Grade

EGMS Type V - Wide Square with Uplight (UV) 10,600 Lumens, 5000K



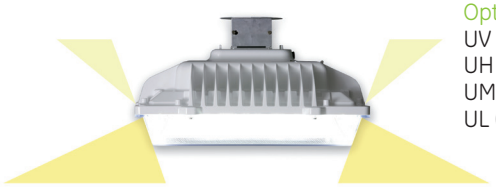
Grid Distance in Units of Mounting Height at 12'
Initial Footcandle Values at Grade

Light Distribution - No Uplight



Optical Codes:
WV (Wide)
WH (Wide)
WM (Wide)
WL (Wide
NV (Narrow)

Light Distribution - With Uplight

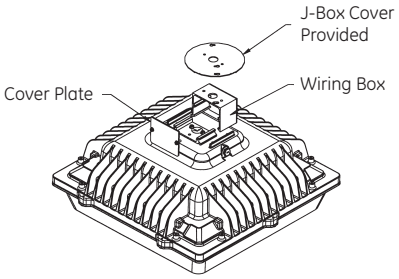


Optical Codes:
UV (Wide)
UH (Wide)
UM (Wide)
UL (Wide)

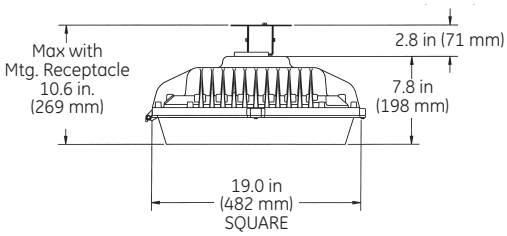
Wide Square Type V Distribution
~13% Uplight

Product Dimensions

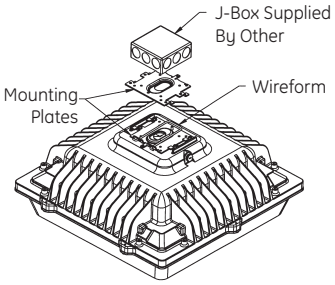
Surface Mounting with Slide on Wiring Box J-Box (Not Included)



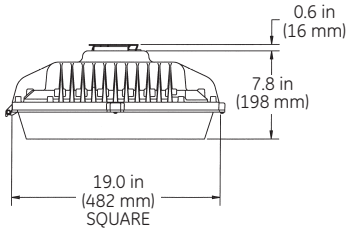
Mounting Option 20 shown above



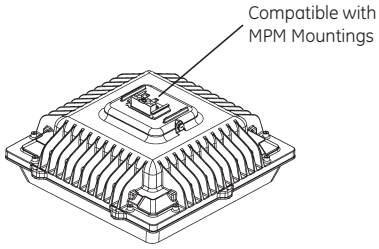
Surface Mounting to J-Box (Not Included)



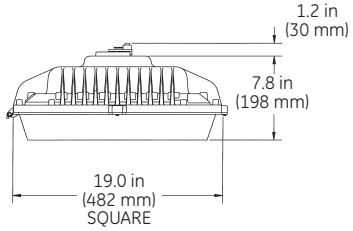
Mounting Option 10 shown above



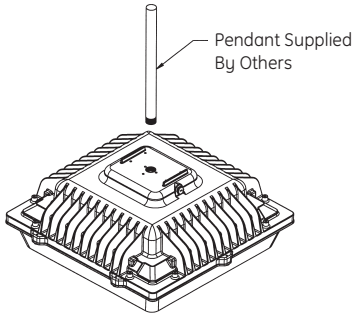
Sliding Disconnect Mounting



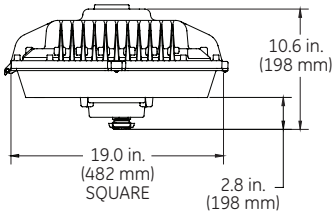
For Mounting Options 01 - 06,



Pendant Mounting (Shown with Motion Sensing Option)



Mounting Option 11 shown above



DATA

- Approximate Net Weight: 26-28 lbs (11.8-12.7 kgs)

www.gelighting.com

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